

Abstract

The present invention relates to an internal antenna for a mobile handset comprising: a feeding pin for power supply; an upper radiating patch connected to the feeding pin, having a first upper patch portion and a second upper patch portion, which receive power supply from the feeding pin and resonate at different frequency bands respectively; a side radiating patch receiving power supply from the feeding pin, extended along the side of the upper radiating patch and vertically apart from the upper radiating patch by certain distance; and a short pin, one end of which is in contact with the upper radiating patch and the side radiating patch and the other end of which is grounded.

According to the present invention, a bandwidth to be used can be broadened without increasing space for a general small size dual band Planar Inverted F Antenna PIFA.